## ISSUE SUP STAPLE AREA (for additional cross references)

| . OSITION                 | INIT'/ LS | ID NO. | DATE     |  |  |
|---------------------------|-----------|--------|----------|--|--|
| FEE DETERMINATION         |           |        |          |  |  |
| O.I.P.E. CLASSIFIER       |           | 49     | 11/24/00 |  |  |
| FORMALITY REVIEW          | •         |        |          |  |  |
| RESPONSE FORMALITY REVIEW |           | 1 / 1  |          |  |  |
|                           |           | 64665  | 2-5-01   |  |  |

## **INDEX OF CLAIMS**

| ~ | Rejected                   | Ν | Non-electe  |
|---|----------------------------|---|-------------|
|   | Allowed                    | 1 | Interferenc |
| _ | (Through numeral) Canceled | Α | Appeal      |
| _ | Restricted                 | 0 | Objected    |

| — (Through numer |          |            |            |    |          |          |    |  |  |            |          |   | era      |   |
|------------------|----------|------------|------------|----|----------|----------|----|--|--|------------|----------|---|----------|---|
|                  | ÷        |            |            |    |          |          |    |  |  |            |          |   |          |   |
| ,                |          | _          | _          | 1  |          | <u> </u> |    |  |  |            |          |   |          |   |
| Cla              | im       | . 3        | ٠.         | Ŧ  | -3       | 3        | _  | Dat  | Ð  |            | _        | _ |          |   |
| _                | inal     | 1,         | lì         | Š  | 1        | Ī        |    |  |  |            |          |   |          |   |
| Final            | Original | 7          | 7          | ľ  | 19       | 7        | •  |  |  |            | Ì        |   |          |   |
| -                | দ        | d          | 5          | ŀ  | -        | ₽        | _  |  |  |            | $\vdash$ | _ | -        |   |
|                  | 2        | Ť          | 1          | Ť  | ╁        | t        |    |  |  |            | -        |   |          |   |
|                  | 3        | 1          | Ħ          |    | Ħ        | t        |    |  | Н  |            | Г        |   |          |   |
|                  | 4        | H          | H          | ı  | H        | t        |    |  | Г  |            |          |   |          |   |
|                  | 5        |            |            |    |          | I        |    |  |  |            |          |   |          |   |
|                  | 6        |            |            |    | $\Box$   | I        |    |  |  |            |          |   |          |   |
| 7.               | 7        | L          | Ц          | L  | Ц        | 1        | •  |  |  |            | _        |   |          |   |
|                  | Å        | Ц          | Ц          | L  | Ц        | 1        |    | _  |  | _          |          | Щ | _        |   |
| -                | (9)      | 1          | Ц          | L  | Ц        | 1        |    |  | $\vdash$   |            |          | Н |          |   |
|                  | 10<br>11 | Н          | H          | L  | Н        | ╀        | Ź  | _  | <u> </u>   | _          | -        | Н |          |   |
|                  | 12       | H          | н          | H  | Н        | ł        | 4  | _  | H  |            | H        | Н |          |   |
| - 1              | 13       | $^{+}$     | H          | H  | -        | 7        | -  | $\vdash$   | $\vdash$   | H          | H        | Н | $\dashv$ |   |
|                  | 14       | ╫          | Н          | H  | H        | t        | -  |  |  |            | H        | - |          |   |
| -5               | 15       | H          | H          | ۲  | ╫        | t        |    |  |  | -          | -        |   |          |   |
|                  | 16       | 1          | I          | H  | IT       | t        |    |  |  |            | _        |   |          |   |
| •                | 17       | T          | I          |    | T        | T        | ,  |  |  |            |          |   |          |   |
|                  | 18       |            |            |    | П        | I        |    |  |  |            |          |   |          |   |
|                  | 19       | L          | Ш          |    | Ц        | l        |    |  |  |            |          |   |          |   |
|                  | 20       | I.         | Ц          |    | Ц        | l        |    |  |  |            |          |   |          |   |
|                  | 21       | Ш          | Ц          | L  | Ц        | 1        |    |  |  |            | L_       |   |          |   |
|                  | 22       | 1          |            |    | Ц        | 1        | _  |  | <u> </u>   |            | _        |   | _        |   |
| L                | 23<br>24 | μ,         | Ŋ          | L  | 4        | 1        |    | <u> </u>   | <u> </u>   | _          |          |   |          |   |
| ;                | ľ        |            | H          | F  | V        | +        | _  | -  | -  | -          |          | _ |          |   |
|                  | 25<br>26 |            | Н          | Н  | +        | 4        | -  |  | -  | Ŀ          | -        | H |          |   |
| 3,50             | 27       | Agr.       | 1          |    | 1.5      |          | ٠. | J.   | 4.   | ~-         |          | - |          |   |
| Ż                | 28       | <b>数</b> 4 | Η          | -  |          | t        | Ξ  |  |  |            | $\vdash$ |   |          |   |
| 1                | 29       | Ė          | H          | 1  | -        | t        |    |  |  | -          |          |   |          | ŀ |
|                  | 30       | -          | Γ          |    | Г        | Ť        |    |  | 1  |            |          |   |          |   |
|                  | 31       |            |            |    |          | Ī        |    |  |  |            |          |   |          |   |
| 1                | 32       |            | L          |    | <u> </u> | Ţ        |    | L  | _  |            | L        |   |          |   |
| <u> </u>         | 33       | _          | L          |    | <u> </u> | 4        | _  | _  | L  | <u> </u> _ |          |   |          |   |
| <u> </u>         | 34<br>35 |            | 1          | _  | -        | +        |    | -  | -  | -          | -        | - | -        | - |
|                  | 36       | $\vdash$   | +          | _  | ļ        | +        | _  | -  | -  | -          | -        | - | -        |   |
| $\vdash$         | 37       | -          | ╁          | _/ |          | +        |    | -  | -  | -          | -        |   | -        |   |
| $\vdash$         | 38       | -          | <i>;</i> = | -  | -        | +        |    | -  | -  | -          | -        | - | -        |   |
| $\vdash$         | 39       |            | t          |    | -        | †        | -  | $\vdash$   | <del>                                     </del> | -          | -        | - | -        |   |
| Г                | 40       |            | T          | _  | Г        | 1        |    | <del>                                     </del> | Т  | $\vdash$   |          |   |          |   |
| $\vdash$         | 41       |            | t          | _  | Г        | †        |    | 1  | T  | ┢          |          |   |          |   |
| _                | 42       | Τ          | T          |    | -        | †        |    |  | Γ  |            | Г        | Г | Γ        |   |
|                  | 43       |            | I          |    | $\Box$   | Ì        |    |  |  |            |          |   | L        |   |
|                  | 44       |            |            |    |          | I        |    |  |  |            |          |   |          |   |
|                  | 45       |            |            |    |          | I        | _  |  |  |            |          |   |          |   |
| L                | 46       | L          | L          | _  | L        | 1        | _  | ļ  | L  | _          | L        | _ | <u> </u> |   |
| 上                | 47       | L          | L          | _  | L        | 1        |    | $oxed{oxed}$                                     | <u> </u>   | _          | <u> </u> | _ | <u>L</u> |   |
| _                | 48       |            | L          |    | L        | 1        | _  |  | L_   | L          | 辶        |   |          |   |

| Cia         | .:_      | Date           |  |            |                |          |              |              |  |              |  |  |  |  |
|-------------|----------|----------------|--|------------|----------------|----------|--------------|--------------|--|--------------|--|--|--|--|
| Cla         |          | $\vdash$       |  | _          |                | Jai      | E            | _            |  | _            |  |  |  |  |
| Final       | Original |                |  |            |                |          |              |              |  |              |  |  |  |  |
| ᆖ           | 51       | -              |  |            | $\vdash$       | Н        |              | -            |  | _            |  |  |  |  |
|             | 52       | -              | $\vdash$                               | H          | $\vdash$       |          | -            |              | -  | $\vdash$     | -                                      |  |  |  |
| $\vdash$    | 53       |                |  | $\vdash$   | $\vdash$       |          | -            | -            |  | <del> </del> | H                                      |  |  |  |
| Щ           | 54       |                | -                                      | _          | <del> </del> — | _        | _            | <u> </u>     |  |              | -                                      |  |  |  |
| $\vdash$    | 55       | -              |  |            | ⊢              |          |              |              | -  | <u> </u>     | -                                      |  |  |  |
| $\vdash$    | 56       | -              | $\vdash$                               | -          |                |          |              | -            | -  | <u> </u>     |  |  |  |  |
| <u> </u>    | 57       |                | $\vdash$                               | _          | ├              | H        |              | -            | <u>.                                    </u>   | ⊢            |  |  |  |  |
|             | -        |                | $\vdash$                               | _          | <u> </u>       | Н        |              |              |  | <u> </u>     | -                                      |  |  |  |
| ļ           | 58       | _              | $\vdash$                               |            | -              | -        |              | H            |  | H            | -                                      |  |  |  |
| <u> </u>    | 59       | _              | H                                      | щ          | ļ              |          |              |              |  | H            |  |  |  |  |
| <u> </u>    | 60       | _              | <u> </u>                               |            | <u> </u>       | _        |              | H            |  | H            |  |  |  |  |
| $\vdash$    | 61       | H              | <u> </u>                               |            | <u> </u>       | H        |              |              | H  | H            | ļ                                      |  |  |  |
| <u> </u>    | 62       |                | $\vdash$                               |            |                |          | Н            | H            | Ш  | <u> </u>     | <u> </u>                               |  |  |  |
| ļ           | 63       | _              | $\vdash$                               | Щ          | ļ              |          |              | _            | Щ  |              | <u> </u>                               |  |  |  |
| ļ           | 64       | Щ              | $\vdash$                               |            | <u> </u>       | -        |              | <u> </u>     | $\vdash$                                       | <u> </u>     | _                                      |  |  |  |
| <u> </u>    | 65       |                | $\vdash$                               |            | ļ              |          | Щ            |              | Щ  | L            | <u> </u>                               |  |  |  |
| _           | 66       |                |  |            |                | <u> </u> | Ш            |              | $\vdash$                                       | L.           | <u> </u>                               |  |  |  |
| $\vdash$    | 67       |                | 67.0                                   | - 1        | _              |          |              | _            | <u> </u>                                       |              | <u> </u>                               |  |  |  |
| $\vdash$    | 68       |                |  |            | <u> </u>       | L        |              |              |  | ļ            |  |  |  |  |
| <u> </u>    | 69       |                |  |            | <u> </u>       |          |              | -            |  | -            | _                                      |  |  |  |
|             | 70       |                |  |            | _              |          |              | <u> </u>     |  | <u> </u>     | L.                                     |  |  |  |
|             | 71       |                |  | L          |                |          |              | _            |  | <u> </u>     | L_                                     |  |  |  |
|             | 72       |                |  | ļ.,        | ļ              |          |              | _            |  | L_           |  |  |  |  |
| _           | 73       | L              | !                                      | Ŀ          | <u> </u>       |          |              | _            |  | <u>L</u> .   |  |  |  |  |
|             | 74       | <u> </u>       | L                                      |            |                |          | _            | <u> </u>     |  | L            | _                                      |  |  |  |
|             | 75       | L.             |  |            |                | _        | <u> </u>     | <u> </u>     | _  |              |  |  |  |  |
|             | 76       | <u> </u>       | <b> </b>                               | _          | <u> </u>       | Ш        | H            | <u> </u>     | <u> </u>                                       | Ļ.           |  |  |  |  |
|             | 77       | -              | _                                      | -          | <u> </u>       | H        |              |              | -  | ┝╌           |  |  |  |  |
| H           | 78       | <u> </u>       | -                                      | -          | -              | $\vdash$ | H            | -            |  | ┝            |  |  |  |  |
| <u> </u>    | 79       | ┡              |  | _          | -              | ├        | ┝            | ┝            | _  |              |  |  |  |  |
| <u> </u>    | 80       | ┡              | _                                      |            | _              | _        |              | <u> </u>     | -  | -            | -                                      |  |  |  |
| ├-          | 81       | <del> </del>   | ├                                      | -          |                |          | -            | ┝            | -  | -            | -                                      |  |  |  |
|             | 82       | -              | -                                      | <u> </u> - | <u> </u>       | $\vdash$ | -            | -            | -  | -            | $\vdash$                               |  |  |  |
| <u> </u>    | 83       | -              |  | <u> </u>   |                | -        |              |              | -  | -            |  |  |  |  |
| $\vdash$    | 84       | -              | -                                      | -          | $\vdash$       | $\vdash$ |              | $\vdash$     | -  | -            | -                                      |  |  |  |
| -           | 85<br>86 | -              | -                                      | $\vdash$   | -              | -        | ├-           | $\vdash$     | -  | -            | -                                      |  |  |  |
| -           | 87       | -              | -                                      | -          | -              |          |              | -            | -  | -            | $\vdash$                               |  |  |  |
| <u> </u>    | 88       | -              | -                                      | -          | -              | -        | <del> </del> | -            | -  | -            | -                                      |  |  |  |
| <del></del> | 89       | -              | -                                      | -          | $\vdash$       | $\vdash$ | <del> </del> | -            | -  | -            | -                                      |  |  |  |
| -           | 90       | -              | -                                      | -          | -              | -        |              | -            | -  | -            | $\vdash$                               |  |  |  |
| -           | 91       | -              | -                                      | $\vdash$   | -              | -        | -            | -            | -  | ├            | ├-                                     |  |  |  |
| $\vdash$    | 91       | -              | -                                      | -          | -              | -        | $\vdash$     | -            | -  | ├-           | ├-                                     |  |  |  |
| -           | -        | <del>!</del> - | <del> </del>                           | -          | $\vdash$       | -        | -            | -            | -  | ├            | -                                      |  |  |  |
| -           | 93       |                | -                                      |            | -              | -        | -            | -            | -  | $\vdash$     | $\vdash$                               |  |  |  |
| $\vdash$    | 94<br>95 |                | -                                      | -          | -              | -        | -            | -            | <del> </del>                                   | ⊢            | ⊬                                      |  |  |  |
| -           |          | —              | -                                      | -          | -              | $\vdash$ | -            | -            | -  |              | $\vdash$                               |  |  |  |
| $\vdash$    | 96<br>97 | -              | -                                      | -          | -              | -        |              | $\vdash$     |  |              |  |  |  |  |
|             | 98       | <u> </u>       | -                                      | ├-         | -              | -        | -            | <del> </del> | <del> </del>                                   | ⊢            | ├                                      |  |  |  |
| $\vdash$    | 99       |                | $\vdash$                               | -          | H              | $\vdash$ | <del> </del> | -            | -  | ├            | -                                      |  |  |  |
| $\vdash$    | 100      |                | $\vdash$                               | <u> </u>   | <del> </del>   |          |              | -            | <del> </del>                                   | -            | <del> </del>                           |  |  |  |
| <u></u>     | 1100     | ·              | ــــــــــــــــــــــــــــــــــــــ | t          | !              |          |              |              | <u>:                                      </u> | 1            | ــــــــــــــــــــــــــــــــــــــ |  |  |  |

|          | im         |              |          |          |            | Das      |              |                   |          |          | $\neg$      |
|----------|------------|--------------|----------|----------|------------|----------|--------------|-------------------|----------|----------|-------------|
|          | im         | -            |          |          |            | Dat      | <del>0</del> | - 1               | -1       |          |             |
| Final    | Orfginal   |              |          |          |            |          |              |                   |          |          |             |
| <u>-</u> | 101        | Н            | $\vdash$ | _        | $\vdash$   | Н        |              |                   |          | -        | _           |
| _        | 102        | Н            | $\vdash$ |          |            | -        | Н            | $\dashv$          |          | -        |             |
| _        | 103        | Н            | Н        | -        |            | -        | Н            |                   |          | -        | -           |
|          | 104        | Н            | -        | -        | -          | -        | Н            |                   | -        | $\dashv$ |             |
|          | 105        | Н            |          |          |            |          | Н            | $\vdash$          | ,        | -        |             |
|          | 106        | Н            | $\vdash$ |          | -          |          | 1.7          |                   |          |          | . 4         |
|          | 107        |              | - 1      | 4        | بنه        |          | 43           | 4.                | -26      | ,        | 20.0        |
|          | 108        |              |          |          |            |          |              | *                 |          | -        |             |
|          | 109        |              |          |          | •          |          | 3.           | 7                 |          | ú        |             |
|          | 110        |              |          |          |            |          | 4.           |                   | 1        | *        |             |
| P.       | 111        | • :          |          | 4        | <i>;</i> ; | . :      | ,            | <u>ر</u> ي<br>نوي | 4        | 1        | ŧ           |
|          | 112        |              |          |          | _          |          | 1            |                   | ĉ.       | ŕ        | : ' ?       |
|          | 113        | -            | Ш        |          |            |          | Ŀ            | 4,                | 5.5      | î        | 34          |
|          | 114        |              |          | _        | _          |          | 4.           | : 1               | 200      | -        | Ŀ           |
|          | 115        | Н            | Ш        | Ш        | Н          | ·        | -            |                   |          | <u> </u> | -           |
| $\vdash$ | 116        | Ц            | <u> </u> |          | H          |          | Ľ            | _                 | -        | -        |             |
|          | 117        | _            |          |          | _          |          | -            | $\vdash$          | ٠,       | Ŀ        | -           |
|          | 118        | -            |          |          |            |          |              | H                 | ⊢        | ⊢        | -           |
|          | 119<br>120 |              |          |          |            |          | ┝            | <u> </u>          | -        | -        | ⊢           |
| _        | _          |              |          | _        | H          | _        | H            | <u> </u>          | -        | -        | -           |
|          | 121<br>122 | Н            | -        |          | -          |          |              |                   |          | -        |             |
| -        | 123        | H            |          | _        | -          |          | ·            | -                 | -        | -        | -           |
|          | 124        | -            |          |          |            |          | -            | ⊢                 | ┝        | -        | ┢           |
| -        | 125        | $\vdash$     |          | -        | -          |          | -            | -                 |          | -        | 1.50        |
|          | 126        | ٠,           | ,        | -        |            | -        |              | 丰                 | 0 4      | 1        |             |
|          | 127        |              | -        |          |            | -        | -            |                   | ų        |          | ÿ           |
|          | 128        |              | 7.7      | -        |            | ٠.       |              | .5,               | 41       | 1,-      | 4           |
|          | 129        | •            |          |          |            | -        |              |                   | ωf.      |          | Œ,          |
|          | 130        |              |          |          |            |          |              |                   |          |          |             |
|          | 131        |              |          | L        |            |          | <u> </u>     | L                 | L        | L        | L           |
| _        | 132        | -            |          | L.       | _          |          | L            | L                 | <u> </u> | 1_       | $\vdash$    |
| <u> </u> | 133        | _            | _        | <u> </u> | ļ          | L        | <u> </u>     | -                 | ļ        | ↓_       | $\vdash$    |
| $\vdash$ | 134        |              | _        | <u> </u> | <u> </u>   | <u> </u> | -            |                   | ├-       | $\vdash$ | ╀           |
| <u> </u> | 135<br>136 |              | -        |          | -          | -        | $\vdash$     | _                 | -        | -        | -           |
|          | 137        | H            | -        | -        | -          | -        | $\vdash$     | -                 | -        | +        | -           |
|          | 138        | $\vdash$     | -        | -        | -          | -        | $\vdash$     | +-                | $\vdash$ | $\vdash$ | 1           |
| $\vdash$ | 139        | <u> </u>     | -        | -        | -          | -        | $\vdash$     | $\vdash$          | +        | +        | ╁╴          |
| -        | 140        | _            |          | -        | -          | Н        | $\vdash$     | -                 | 1        | +-       | $^{+}$      |
| -        | 141        | -            | -        | -        | -          | -        | $\vdash$     | <del> </del>      | +-       | +        | ╁╴          |
| ┝        | 142        | 1            | -        | -        | $\vdash$   | $\vdash$ | +-           | H                 | $\vdash$ | +        | $\vdash$    |
| -        | 143        | -            | -        | $\vdash$ | -          | -        | $\vdash$     | H                 | H        | 十        | $\vdash$    |
|          | 144        | <del> </del> | -        |          | $\vdash$   | $\vdash$ | H            | H                 | t        | t        | 1           |
|          | 145        |              |          | -        | -          | $\vdash$ | $\vdash$     |                   | 1        | +-       | ${\dagger}$ |
|          | 146        |              | _        | Г        |            |          | 1            |                   | 1        | T        | 1           |
|          | 147        |              | Ī        |          |            |          |              | Π                 | Τ        | 1        | T           |
|          | 148        |              | Г        |          |            |          |              |                   | T        | 1        | T           |
|          | 149        |              |          |          |            |          |              |                   |          |          |             |
|          | 150        | 1            | i        | ī        | 1          |          | _            |                   | Γ        | Γ        | Γ           |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)